

CLAIMS

1. A modular enclosure system for electronic equipment comprising:
 - a frame unit having front, rear, left side, right side, top and bottom portions and front, rear and side openings;
 - a flange bordering each of said openings;
 - a first type of seal mounted to each of the flanges;
 - a second type of seal mounted to said side portions of said frame unit;
 - side panels for mounting to said left and said right side portions of said frame unit, for covering said side openings and for compressing both said first type and said second type of seals when said side panels are attached to said frame unit; and
 - door panels for mounting to said front and said rear portions of said frame unit, for covering said front and rear openings and for compressing said first type of seal when said door panels are attached to said frame unit.
2. A system as claimed in claim 1 including:
 - a bridge panel connected to said left and said right side portions of aligned framed units when two frame units are connected to each other, said bridge panel for compressing said second type of seal when said bridge panel is connected to said two frame units.
3. A system as claimed in claim 1 wherein:
 - said first type of seal includes a tubular portion and a mounting portion;
 - and
 - said mounting portion engages said flange when said first type of seal is mounted to said flange.

4. A system as claimed in claim 1 wherein:

said second type of seal is an elongated strip having a rectangular cross section, and an adhesive layer on one surface.

5. A system as claimed in claim 1 wherein:

each of said side panels includes an internal lip for bearing against said second type of seal.

6. A system as claimed in claim 1 wherein:

each of said doors includes an inner surface for contacting and compressing said first type of seal.

7. A system as claimed in claim 2 wherein:

said bridge panel is generally channel shaped having two arm portions and a base portion; and

each of said arm portions compress said second type of seal when said bridge panel is connected to adjoining frame units.

8. A system as claimed in claim 2 wherein:

said bridge panel includes an outer surface aligned generally flush with outer surfaces of said door panels when connected to a frame unit.

9. A system as claimed in claim 2 wherein:

each of said side panels includes an internal lip for bearing against said second type of seal; and

each of said doors includes an inner surface for contacting and compressing said first type of seal.

10. A system as claimed in claim 9 wherein:

said bridge panel is generally channel shaped having two arm portions and a base portion;

each of said arm portions compress said second type of seal when said bridge panel is connected to adjoining frame units; and

said bridge panel includes an outer surface aligned generally flush with outer surfaces of said door panels when said bridge panel and said door panels are connected to said frame units.

11. A system as claimed in claim 10 wherein:

said first type of seal includes a tubular portion and a mounting portion;

said mounting portion engages said flange when said first type of seal is mounted to said flange; and

said second type of seal is an elongated strip having a rectangular cross section and an adhesive layer on one surface.

12. A system as claimed in claim 1 wherein:

said frame unit forms a chamber for mounting electronic equipment.

13. A system as claimed in claim 11 wherein:

said frame unit forms a chamber for mounting electronic equipment.

14. A system as claimed in claim 1 including:

a battery housing connected to said frame unit;

a pair of skids connected to said battery housing; and

a cap panel connected to said top portion of said frame unit.

15. A system as claimed in claim 13 including:

a battery housing connected to said frame unit;

a pair of skids connected to said battery housing; and

a cap panel connected to said top portion of said frame unit.

16. A process for assembling an electronic equipment enclosure system comprising the steps of:

forming a frame unit having front, rear, left side, right side, top and bottom portions and front, rear and side openings;

mounting a first type of seal around said front, rear and side openings;

mounting a second type of seal along vertical surfaces of said frame unit;

providing a side panel;

connecting said side panel to said frame unit for covering a side opening in said frame unit;

providing a door; and

connecting said door to said frame unit for covering a front opening in said frame unit.

17. A process as claimed in claim 16 including the steps of:

providing a bridge panel; and

connecting said bridge panel to two aligned frame units.

18. A process as claimed in claim 17 including the steps of:

providing a battery housing;

connecting said battery housing to said frame unit;

providing a cap panel; and
connecting said cap panel to said frame unit.

19. A process as claimed in claim 18 wherein:

said first type of seal includes a tubular portion; and

said second type of seal is an elongated strip having a generally
rectangular cross section; and

including the steps of

compressing said first type of seal when said door is closed over said front
opening; and

compressing said second type of seal when said bridge panel is connected
to said two aligned frame units.

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